## Patent claims

- 1. Device for examining filled containers (10) for foreign bodies (26), such as glass splinters, with a transport apparatus (16) for transporting the containers (10) individually in succession in a row on a plane of transport, with an X-ray source (18) for emitting an X-ray (24) in a predetermined direction and with an apparatus (20, 22) for recording the X-rays (24) after they have passed through the containers (10), the direction in which the X-rays (24) are emitted from the X-ray source (18) is inclined by between 10° and 60° to the plane of transport.
- 2. Device according to claim 1, two X-ray sources (18) being provided and the first X-ray source (18) being arranged above the plane of transport and its X-rays (24) being directed from above towards the plane of transport and the second X-ray source (18) being arranged below the plane of transport and its X-rays (24) being directed from below towards the plane of transport.
- 3. Device according to claim 2, an apparatus (20, 22) for recording the X-rays (24) after their passage through the containers (10) being allocated to each X-ray source (18) and the X-rays recorded by the recording apparatuses (20, 22) being compared with one another in an evaluation apparatus.
- 4. Device according to claim 3, the arrangement being such that the rays of the two X-ray sources (18) fall onto areas separate from each other of the apparatus (20) for recording the X-rays (24).
- 5. Device according to one of claims 1 to 4, the apparatus for recording the X-rays (24) being an X-ray image converter (20) with downstream CCD camera (22).
- 6. Use of the device according to one of claims 1 to 5 for examining filled containers (10) for foreign bodies.

7. Use according to claim 6, the X-ray source or X-ray sources (18) being positioned such that the ray course is approximately tangential to the maximum slope of the bulge of the container bottom.